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COUNSELORS AT LAW

THE CLARK ADAMS BUILDING

105 WEST ADAMS STREET, SUITE 3600

FOUNDED 1890

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PATENT, TRADEMARK, COPYRIGHT  
AND RELATED MATTERS, ALL PHASES  
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TOTAL PAGES (Including Cover Page) 16 DATE: December 3, 2004

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TO: Attn.: Examiner Jesse A. Fenty FROM: Mr. James R. Foley, Reg. No. 39,979

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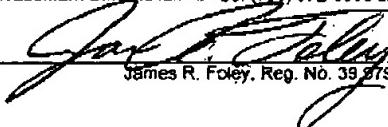
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**NOTES:**

Inventors: Valeriy Sukharev et al.  
For: Copper-Low-K Dual Damascene  
Interconnect with Improved Reliability  
Art Unit: 2815  
Serial No.: 10/615,042  
Filed: July 8, 2003  
Attorney Ref.: 03-0509

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FORM PTO-1082

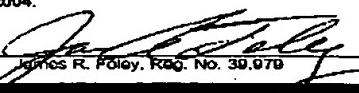
(FRI) 12. 3' 04 14:10/ST. 14:09/N0. 4860347421 P 2

Case No. 03-0509

In re application of: Valeriy Sukharev et al.  
 Serial No.: 10/615,042  
 Filed: July 8, 2003  
 Art Unit: 2815  
 For: COPPER-LOW-K DUAL DAMASCNE  
 INTERCONNECT WITH IMPROVED  
 RELIABILITY.

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James R. Foley, Reg. No. 39,979

MAIL STOP: RESPONSE  
 COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, VA 22313-1450

Sir:

Transmitted herewith is a Response to the Office Action mailed November 9, 2004.

The filing fee has been calculated as shown below:

(Col. 1)	(Col. 2)	(Col. 3)	SMALL ENTITY	OTHER THAN A SMALL ENTITY
Claims Remaining After Amendment	Highest No. Previously Paid for	Present Extra	Rate	Rate
TOTAL * 14	MINUS ** 20	0	x 9 = \$ .00	x 18 = \$ .00
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM				
INDEP. * 4	MINUS ** 1	0	x 12 = \$ .00	x 84 = \$ .00
			+ 130 = \$ .00	+ 260 = \$ .00
		TOTAL ADDIT. FEE	\$ .00	TOTAL \$ .00
OR				

\* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The "Highest Number Previously Paid For" (Total or independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed.

- Please charge my Deposit Account No. 12-2252 in the amount of \$ \_\_\_\_\_ . A duplicate copy of this sheet is enclosed.
- A check in the amount of \_\_\_\_\_ to cover the filing fee is also enclosed.
- The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 12-2252.
- Any filing fees required under 37 CFR 1.16 for the presentation of extra claims.
- Any patent application processing fees under 37 CFR 1.17

Dated: December 3, 2004


  
James R. Foley, Reg. No. 39,979
 

Attorney of Record

FROM TREXLER ETAL.  
FORM PTO 1083

(FRI) 12. 3' 04 14:10/ST. 14:09/NO. 4860347421 P 3

Case No. 03-0509

In re application of: Valeriy Sukharev et al.  
Serial No.: 10/615,042  
Filed: July 8, 2003  
Art Unit: 2815  
For: COPPER-LOW-K DUAL DAMASCENE  
INTERCONNECT WITH IMPROVED  
RELIABILITY

CERTIFICATION OF FACSIMILE TRANSMISSION

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COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

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The filing fee has been calculated as shown below:

	(Col. 1)	(Col. 2)	(Col. 3)		SMALL ENTITY	OTHER THAN A SMALL ENTITY
	Claims Remaining After Amendment		Highest No. Previously Paid for	Present Extra		
TOTAL	* 14	MINUS	** 20	0		
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM						
				Rate	Addit. Fee	
				x 9 =	\$ .00	
				x 42 =	\$ .00	
				+ 130 =	\$ .00	
				TOTAL ADDIT. FEE	\$ .00	
				OR		
				Rate	Addit. Fee	
				x 18 =	\$ .00	
				x 84 =	\$ .00	
				+ 260 =	\$ .00	
				OR	TOTAL	\$ .00

\* If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

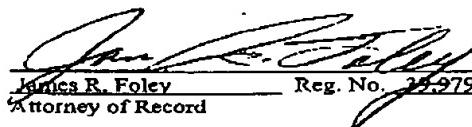
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\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

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- Any filing fees required under 37 CFR 1.16 for the presentation of extra claims.
- Any patent application processing fees under 37 CFR 1.17

Dated: December 3, 2004

  
James R. Foley, Reg. No. 39,979  
Attorney of Record

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 10/615,042 )  
Filed: July 8, 2003 )  
Art Unit: 2815 )  
Examiner: Jesse A. Fenty )  
For: COPPER-LOW-K DUAL )  
DAMASCENE )  
INTERCONNECT WITH )  
IMPROVED RELIABILITY )  
Inventors: Valeriy Sukharev et al. )  
Attorney Ref: 03-0509 )

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James R. Foley, Reg. No. 39,979

RESPONSE TO OFFICE ACTION MAILED NOVEMBER 9, 2004

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313 1450  
Mail Stop: Response

Sir:

In the matter of the above-identified application and in response to the Office Action mailed November 9, 2004, kindly enter the following amendments and consider the following remarks toward reconsideration of the present application.